# REVISED REPORT



11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209 501-455-3233 Fax 501-455-6118

17 August 2012

Jim Fleer Oxford Environmental & Safety, Inc 14348 Nieman Rd. Overland Park, KS 66221

RE: Arkwood Monthly Sampling

SDG Number: 1207302

Enclosed are the results of analyses for samples received by the laboratory on 31-Jul-12 09:50. If you have any questions concerning this report, please feel free to contact me.

### Sample Receipt Information:

Custody Seals	~
Containers Correct	
COC/Labels Agree	<u> </u>
Preservation Confirmed	
Received On Ice	
Temperature on Receipt	4.0°C

Sincerely,

Norma James President

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Jim Fleer
Oxford Environmental & Safety, Inc
14348 Nieman Rd.
Overland Park, KS 66221
Project: Arkwood Monthly Sampling



Date Received: 31-Jul-12 09:50 REVISED REPORT

### **CASE NARRATIVE**

Sample Delivery Group - 1207302

The three compounds labeled (surr) on the attached final report are "surrogates." Recovery of surrogates is for lab use only to determine the effectiveness of the extraction procedure; surrogate recoveries are not analytical results. The three surrogate compounds are as follows: 2,4,6-tribromophenol, 2-fluorophenol, and Phenol-d5.

Qualified Analytical and/or Quality Control Results are Discussed Below:

Surrogate Failure: The surrogates 2,4,6-Tribromophenol and Phenol-d5 failed to recover within acceptance criteria in sample 1207302-02 (Weir). The surrogate recoveries were qualified by "%D3" and Pentachlorophenol was qualified as "estimated" (E1) for sample 1207302-02. Please note the surrogate 2,4,6-Tribromophenol had no recovery at all. This surrogate also had no recovery in the MS and MSD samples for which sample 1207302-02 (Weir) was used as the parent sample indicating a problem with the sample matrix.

Jim Fleer Oxford Environmental & Safety, Inc 14348 Nieman Rd. Overland Park, KS 66221

**Project: Arkwood Monthly Sampling** 

Date Received: 31-Jul-12 09:50 REVISED REPORT



Lab Number: 1207302-01
Sample Name: Mouth
Date/Time Collected: 7/30/12 10:40
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	Result	Qualifier(s)	Date/Time Analyzed	<u>Batch</u>	Method
Pentachlorophenol	ug/L	5.68		8/5/12 17:52	A208019	8270D
2,4,6-Tribromophenol [surr]	%	111		8/5/12 17:52	A208019	8270D
2-Fluorophenol [surr]	%	51.7		8/5/12 17:52	A208019	8270D
Phenol-d5 [surr]	%	31.5		8/5/12 17:52	A208019	8270D

#### **ANALYTICAL RESULTS**

Lab Number: 1207302-02
Sample Name: Weir

Date/Time Collected: 7/30/12 10:30
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	Qualifier(s)	Date/Time Analyzed	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	< 5.00	E1	8/5/12 18:14	A208019	8270D
2,4,6-Tribromophenol [surr]	%	NREC	NREC	8/5/12 18:14	A208019	8270D
2-Fluorophenol [surr]	%	21.3		8/5/12 18:14	A208019	8270D
Phenol-d5 [surr]	%	11.3	%D3	8/5/12 18:14	A208019	8270D

#### **QUALITY CONTROL RESULTS**

Semivolatiles -- Batch: A208019 (Water)

Prepared: 01-Aug-12 15:14 By: KR -- Analyzed: 05-Aug-12 17:31 By: LR

<u>Analyte</u>	BLK	LCS / LCSD	MS / MSD	<u>Dup</u>	<u>RPD</u>	Qualifiers
Pentachlorophenol	<5.00 ug/L	121% / NA	77.8% / 80.6%		3.11%	
2,4,6-Tribromophenol [surr]	107 %	113% / NA	No Rec / No Rec		NA	NREC
2-Fluorophenol [surr]	51.8 %	53.1% / NA	26.4% / 29.1%		NA	
Phenol-d5 [surr]	31.8 %	37.5% / NA	16.4% / 18.8%		NA	

## QUALIFIER(S)

\*%D3: Surrogate Percent Recovery Does Not Meet Laboratory Acceptance Criteria

\*E1: Estimated Result Due to Surrogate Failure

\*NREC: No Recovery

All Analysis performed according to EPA approved methodology when available:

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods, 20th Edition. Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by:

Norma James President Arkansas Analytical

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Arkansas Analytical

Oxford Environmental & Safety, Inc

14348 Nieman Rd. Overland Park, KS 66221 Project: Arkwood Monthly Sampling

Date Received: 31-Jul-12 09:50

CHAIN OF CUSTODY FORM(S)

Revision 1 12/1/10

11701 Interstate 30, Bldg. 1, Ste. 115

Little Rock, AR 72209 PHONE: 501-455-3233 FAX: 501-455-6118

# **CHAIN OF CUSTODY RECORD**

CLIENT INFORM	MATION					1	Project Des	crintion	Turnaround Time				Preservation Codes:							
Oxford Environmental & Safety, Inc.						Arkwood Monthl		24 Hour	1. Cool, 4 Degrees Centigrade 4. Thiosulfate for Dechlorinati								orination			
14348 Nieman Rd.				Airwood Monthly Camping				2. Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ), pH < 2						5. Hydrochloric Acid(HCl)						
Overland Park KS 66221					Reporting Information			72 Hour			INO <sub>3</sub> ), pH									
									Routine (5 Day)	5		TEST	Р	ARA	MET	IETERS Bottle Type Code				
Attn: Jim Fleer						Email: jfleer@oxfordeands.com			Preservative Code:	1								G = Glass; P = Plastic		
									Bottle Type:	GA									V = Septum; A = Amber	
Sampler(s) Sign	nu Che		Samı				Pleer			Pentachlorophenol (8270D)	4.50							4	Arkansas Analytical Work Order Number:	
Field	SAMPLE CO	DLLECTION			Number			SAMPLE		70D)										
Number	Date/s	Time/s	Grab	Comp	of Bottles	Sample Matrix	IDENTIF	ICATION/ DESC	RIPTION	Pen (827									207302-	
	7/30/2012	10140	Х		1	Water	Mouth			х									DI	
	7130/2012	10:30	Х		1		Weir	*		Х									02	
	111010	10.30	<u> </u>		<u>'</u>	vvalei	vveii			^				-					<u> </u>	
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	4.0																			
			-																	
1. Relinquished by	: (Signature)	Date/Time		2. Re	ceived	by: (S	ignature)	SAMPLE C	ONDITION UPON I	RECEIPT	IN LAE	3		RE	MARK	S/SA	MPLE	COMM	ENTS	
2/30/2012			_ 1	1. CUSTODY SEALS:			ALS:	_√Yes	s	No N	IS/M	SD Co	llected	from:	Wer					
Naturally has		ed	W	/	2. CONTAINERS CORRECT:		1			Oz Power 1 So 20										
13100			***							03 Conc. 32,2 g/Nn3 Residud 03: 3,19 pp										
			3. COC/LABELS AGREE:					10	026	anc.	. 2 "	9	NM							
3. Relinquished by: (Signature) Date/Time 4. Received			by lab: (Signature) 4. PRESERVATION CONFIRMED:			N CONFIRMED:														
Ta 16	. /	7/3/12		C	1.1	5. RECEIVED ON ICE:			ICE:	YesNo				Flowretz 15310						
rea v	X	000	1	V	ya	1.	Y	6. TEMPERATUR	E ON RECEIPT:	40			4							
			V	the FOR			COMPLETION BY LAB ONLY													

REVISED REPORT